

Replicating data at the volume level over any distance without disruption



IBM Data Mobility Services – Softek Replicator

Highlights

- ***Maintains continuous application availability during data replication***
- ***Supports multivendor and high-availability storage and virtualized storage environments***
- ***Supports local or global data replication***
- ***Delivers uncompromised data integrity***
- ***Helps meet recovery time objectives (RTOs) and recovery point objectives (RPOs)***
- ***Enables consolidated backups by replicating data to a central location***
- ***Provides automatic recovery from network outages***

Helping to recover data more quickly with volume-level replication

Softek™ Replicator software provides an efficient, reliable method to help ensure usable data recovery regardless of storage vendor or server platform. And in doing so, it enables any data protection budget to stretch further. In addition to being essential for disaster recovery, Softek Replicator software helps reduce downtime for backup windows while enabling centralized backup from remote sites. Replicator software provides advanced volume-level replication for fast data recovery in widely used IBM AIX®, HP-UX, Solaris, Red Hat Linux® and Microsoft® Windows® environments and supports virtualized environments (VMware).

Offering flexibility with point-in-time copies for protection beyond backups

Replicator software can make two copies of source data at the same time—one copy can be a remote copy for disaster-recovery use while the local copy assists with backup processes. Additionally, Replicator software's write-order consistency provides continuous transfers of updated data to help minimize data loss and recovery time should an interruption occur. IT organizations with huge databases and shrinking backup windows can back up a point-in-time copy, thereby increasing availability. Data is replicated while applications remain active, and backups are carried out from the point-in-time copy during normal business hours. For centralized backups, production data can be replicated from remote locations to a central site where the backup is taken from the point-in-time copies.

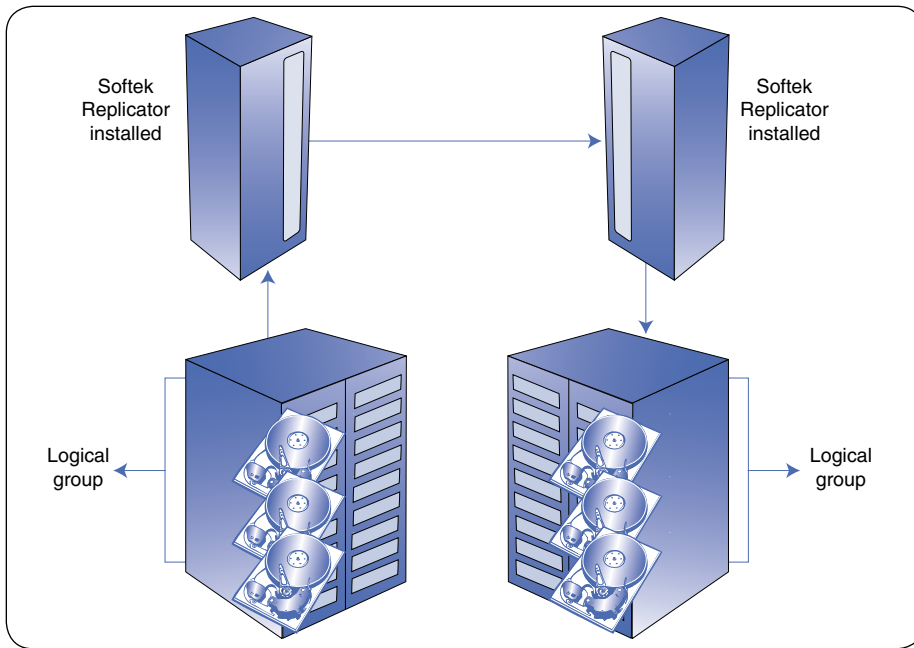


Figure 1
Local replication

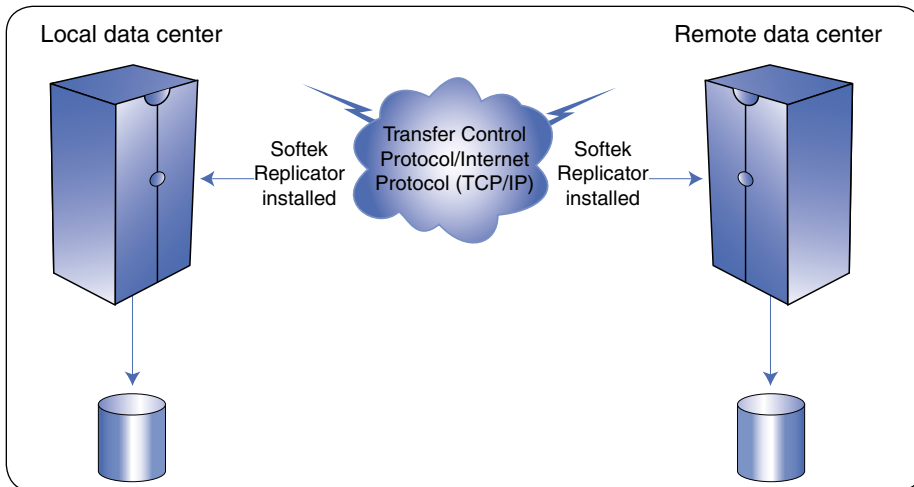


Figure 2
Global replication

Enabling seamless integration with the existing environment

Softek Replicator software leverages existing infrastructure investments by seamlessly integrating with the current production environment. The software operates at both the volume and device level and requires no prerequisite software prior to implementation. In fact, Replicator software for the UNIX® operating system can work with—or without—any volume manager. And Replicator software for Windows can work with Windows Disk Manager or other disk manager products. Plus, there is no need to perform a hardware upgrade before replicating from one storage device to another.

Managing replication with the Softek Common Console

With thousands of open systems servers dispersed through an IT infrastructure, managing replication tasks can be challenging. Replicator software can be controlled through the Softek Common Console, including the capability to configure, monitor and manage all Replicator software activities.

| Softek Replicator software features, functions and benefits | | |
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| Feature | Function | Benefit |
| Hardware independence | Avoids vendor lock-in | Reduces business risk |
| Database support | Keeps replication independent of database application | Simplifies replication with only one tool |
| Asynchronous replication | Prevents new inputs and outputs from having to be held waiting for confirmation | Copies data without affecting application performance |
| Remote mirroring | Enables data exchange and synchronization among remote sites | Protects against site disaster or loss |
| Logical grouping | Improves manageability | Preserves database integrity |
| Pacing, throttles and tunable parameters | Helps minimize replication impact during times of heavy production usage | Allows for replication during normal business hours |
| Fixed pacing/throttling | Replicates data at a user-specified rate | Provides fixed control over resources |
| Dynamic pacing/throttling | Changes replication rates dynamically | Helps prevent impacts to application performance |
| Data compression | Increases transfer rates | Moves more data in less time |
| Automatic resynchronization | Enables Softek Replicator software to survive communication-line failures and to catch up when the line is reestablished | Saves time when replicating over extended distances |
| Point-in-time copies for fast recovery | Makes point-in-time copies to disk | Provides faster recovery from disk than from tape |
| Data resynchronization of point-in-time copies | Resynchronizes differences between primary and secondary copies | Reduces replication time, supporting recovery point objectives |
| Multiple point-in-time copies | Makes two copies of data simultaneously | Saves time |
| Common Console | Provides intuitive reconfiguration and performance monitoring | Allows you to view data graphically |

